

INTERNATIONAL SEARCH REPORT

international application no
PCT/IT 03/00521

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F1/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--------------------------|
| X A | US 5 938 970 A (REILLY JR PHILLIP B ET AL) 17 August 1999 (1999-08-17) claims | 1-3,6, 13,14 15-19 |
| X | EP 0 263 090 A (BOLIDEN AB) 6 April 1988 (1988-04-06) page 2, paragraph 3 | 1-3,6 |
| X | US 5 855 789 A (SMITH PAUL K ET AL) 5 January 1999 (1999-01-05) claim 3 | 1-3,6 |
| X | WO 01/028934 A (INCO LTD) 26 April 2001 (2001-04-26) claims | 1,6 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

15 October 2003

Date of mailing of the international search report

03.02.04

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Serra, R

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internatic

Application No

PCT/73/00521

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| US 5938970 | A | 17-08-1999 | US 6174445 B1 | 16-01-2001 |
| EP 0263090 | A | 06-04-1988 | AT 63299 T | 15-05-1991 |
| | | | AU 590119 B2 | 26-10-1989 |
| | | | AU 7836387 A | 14-04-1988 |
| | | | BR 8705246 A | 24-05-1988 |
| | | | CA 1323944 C | 02-11-1993 |
| | | | CN 87106748 A ,B | 13-04-1988 |
| | | | DE 3769905 D1 | 13-06-1991 |
| | | | DK 519887 A ,B, | 04-04-1988 |
| | | | EP 0263090 A1 | 06-04-1988 |
| | | | FI 874104 A ,B, | 04-04-1988 |
| | | | GR 3002207 T3 | 30-12-1992 |
| | | | NO 874155 A | 05-04-1988 |
| | | | SE 8604211 A | 04-04-1988 |
| | | | US 4780214 A | 25-10-1988 |
| US 5855789 | A | 05-01-1999 | AU 739817 B2 | 18-10-2001 |
| | | | AU 6880198 A | 22-10-1998 |
| | | | EP 0971779 A1 | 19-01-2000 |
| | | | NZ 338104 A | 27-07-2001 |
| | | | WO 9843719 A1 | 08-10-1998 |
| WO 0128934 | A | 26-04-2001 | US 6177015 B1 | 23-01-2001 |
| | | | AU 6974000 A | 30-04-2001 |
| | | | BR 0014796 A | 11-06-2002 |
| | | | WO 0128934 A1 | 26-04-2001 |
| | | | CA 2386940 A1 | 26-04-2001 |
| | | | CN 1379738 T | 13-11-2002 |
| | | | EP 1228005 A1 | 07-08-2002 |
| | | | JP 2003512160 T | 02-04-2003 |
| | | | ZA 200201993 A | 11-03-2003 |

INTERNATIONAL SEARCH REPORT

International application No.
P/IL 03/00521

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 24, 25
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims 24 and 25 are not allowed under rule 6.2.a PCT and do not contain any searchable subject matter.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-3, 6, 13-16

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3 6 13-19

Composition comprising selenium and process using said composition.

2. claims: 4, 5, 7-12

Water purification compositions comprising additives and subjected to treatments.

3. claims: 20-23

Process comprising determining a turbidity index
